

NOVA Chemicals Novapol® HB-W558-A HDPE Extrusion Resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Extruded

Material Notes:

Molded Plaque Properties. Features: High molecular weight, excellent impact strength, high rigidity, easy processing. Applications: large part blow molding, large oil drums. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-HB-W558-A-HDPE-Extrusion-Resin-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------|
| Density | 0.958 g/cc | 0.0346 lb/in ³ | ASTM D792 |
| Environmental Stress Crack Resistance | 266 hour | 266 hour | F50, Condition A |
| Melt Flow | 5.0 g/10 min @Load 2.16 kg, Temperature 190 °C | 5.0 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-----------|---------------|-----------------------------------------------|
| Tensile Strength, Yield | 30.0 MPa | 4350 psi | ASTM D638 |
| Elongation at Break | 890 % | 890 % | ASTM D638 |
| Flexural Modulus | 1.48 GPa | 215 ksi | ASTM D790 |
| Izod Impact, Notched | 7.50 J/cm | 14.1 ft-lb/in | Notched/Unnotched not specified; ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|-------------------------|------------|------------|-----------|
| Brittleness Temperature | <= -100 °C | <= -148 °F | ASTM D696 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 180 - 220 °C | 356 - 428 °F | |

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